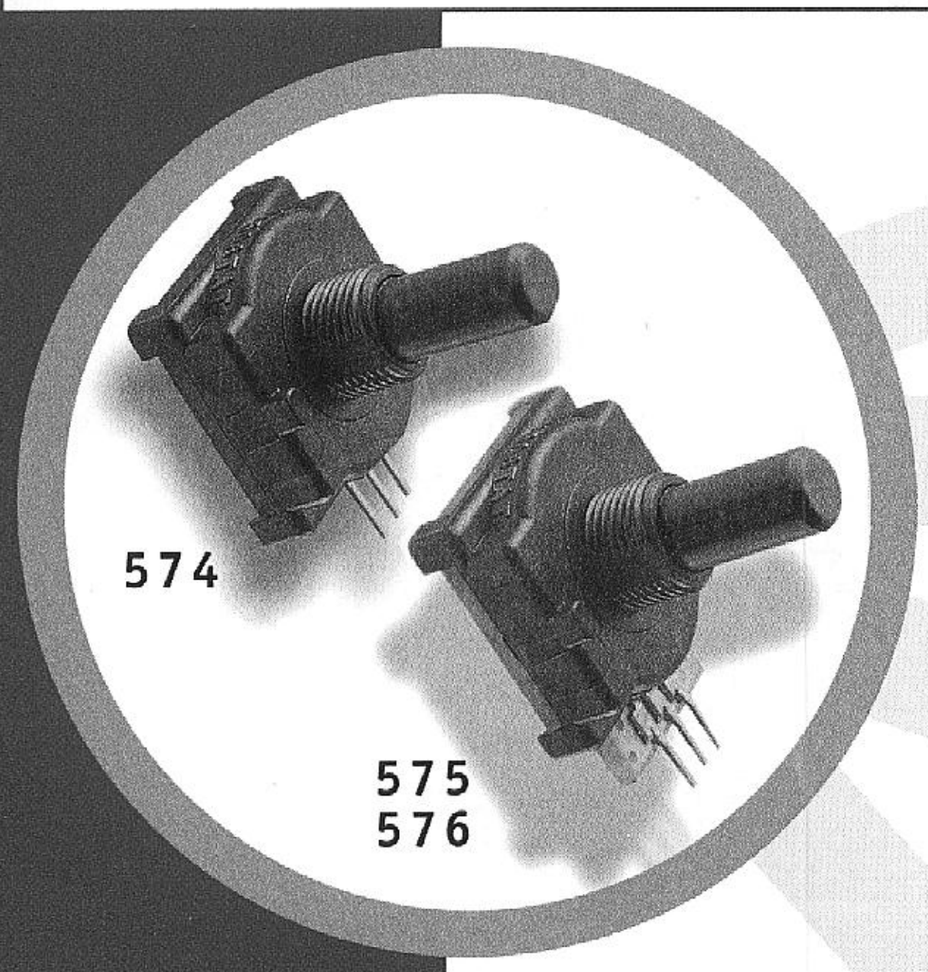
Commercial Potentiometers

Model 574, 575, 576

NEW



FEATURES:	574	575	576
Flat-pak Type	Low mount	Square	Long-life
Rotational Life	50K cycles	50K cycles	2M cycles
Grid Type	.100	.100/.200	.100/.200
Terminals	PC	PC & S.H.	PC & S.H.

- *Conductive Plastic Element*
- *Quiet Electrical Output*
- *Smooth Feel*
- *Robust Construction*

Electrical

RESISTANCE RANGE:
100Ω to 2.5 megΩ- Linear
500Ω to 1.0 megΩ- Non-linear

RESISTANCE TOLERANCE:
±20% Standard
±10% Optional

LINEARITY:
±5% Independent

POWER RATING:
Bushing Mount
0.5 Watt @ 70°C- Linear Taper
0.25 Watt @ 70°C- Non-Linear Taper
PC Mount
0.25 Watt @ 70°C
Derate to 0 Watt @ 120°C

EFFECTIVE ROTATION:
270° Nominal

MINIMUM RESISTANCE:
4Ω Max. Each End- Linear
4Ω Max. Low End,
1% High End- Non-Linear

MAXIMUM CONTINUOUS WORKING VOLTAGE:
350 VAC

DIELECTRIC WITHSTANDING VOLTAGE:
Sea Level- 750 VAC
70000 Feet- 350 VAC

DYNAMIC NOISE (CRV):
2% of Rt Standard- Linear

Mechanical

CONSTRUCTION:
Mounting- Bushing or PC
Locating Pin- @ 9 o'clock
"B" Type Mtg. Bracket
"C" Type Mtg. Bracket
Not Sealed for Washing
Detents- Center, 20, None, Left & Right
Shaft Variations- See Diagram
Special shaft ends available

TERMINALS:
Number- 3 In Line
Strength- 2 lb Push & Pull
Taps- Center tap

MECHANICAL ROTATION:
300° ± 5°

TORQUE:
Operating- 0.2 to 2.5 oz. in.,
Stop- 8 in. lbs
Mounting- 7 in. lbs

Environmental

STORAGE TEMPERATURE:
-40°C to +120°C
TEMPERATURE CYCLING:
-40°C to +120°C
(4% Δ Rt)
LOAD LIFE:
1000 hrs. Rated Load @ 70°C
10% Δ Rt
ROTATIONAL LOAD LIFE:
10% Δ Rt Max at Rated Cycle Life
HUMIDITY:
85% R.H. @ 40°C, 240 hours,
per MIL STD
103B Test Condition A

ISO 9001 CERTIFIED

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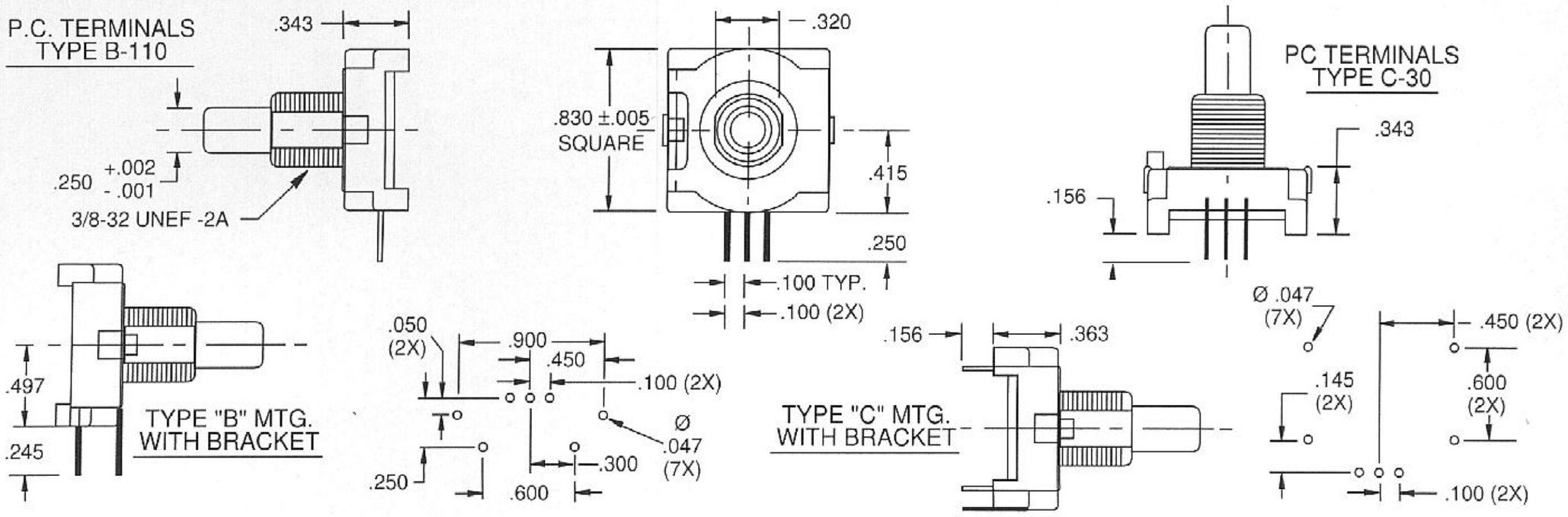
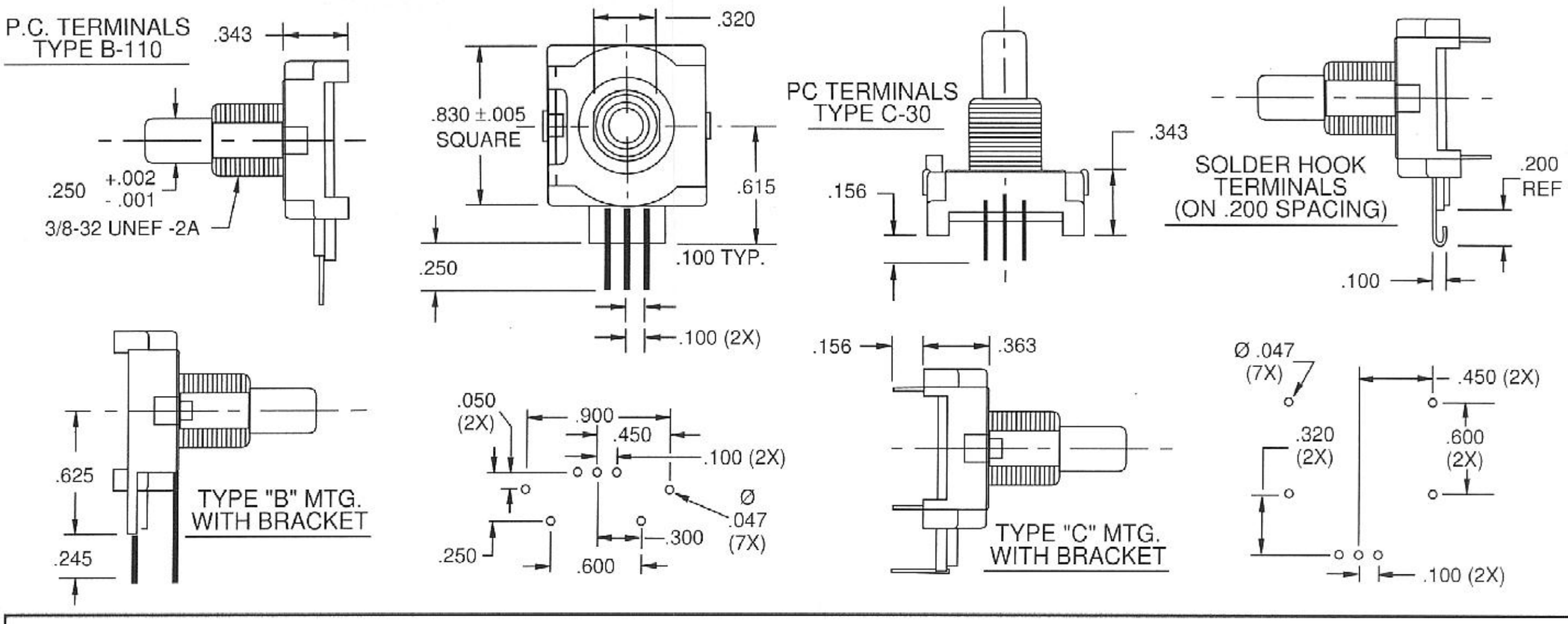
CLAROSTAT

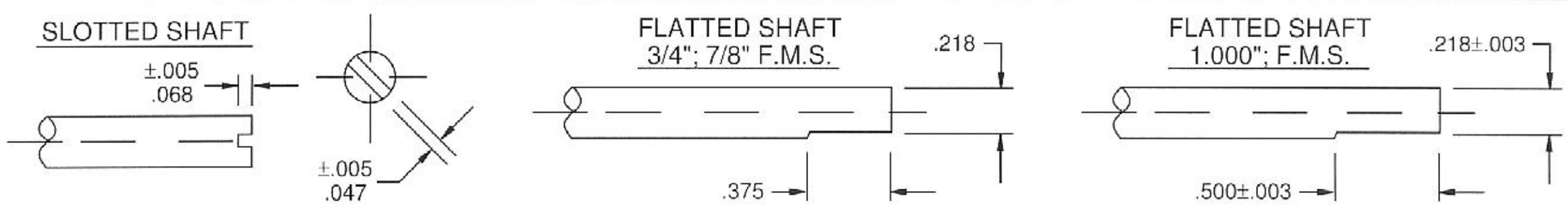
DIMENSIONS for Series 574



DIMENSIONS for Series 575, 576



SHAFT DIMENSIONS for Series 574, 575, 576



ORDERING INFORMATION

When ordering, indicate the desired options as shown in this example:

575 S X 1 G 48 S 103 S C

SERIES
574
575
576

NUMBER OF SECTIONS
S: Single

LOCATING PIN
0: None
1: 9:00 Position

MECHANICAL CONFIGURATION
Series 574-575
X- No Detent
D- Center Detent
E- 20 Detent
F- Center Tap
G- Center Tap, Center Detent
Series 576
X- No Detent
F- Center Tap

BUSHING SIZE & SHAFT DIAMETER
G: 3/8"D x 3/8"L 1/4"D Shaft
A: 3/8"D x 1/4"L 1/4"D Shaft
M: M9 x 1/4"L 1/4"D Shaft

SHAFT LENGTH CODE
Single Shafts
(Code-FMS in 64ths)
48: 3/4" L
56: 7/8" L
64: 1.0" L

SHAFT STYLE
S: Slotted
F: Flatted

RESISTANCE CODE
(EIA Code-first two significant digits, third is number of zeros)
Standard Values

100	10K	500K
250	20K	750K
500	25K	1meg
750	50K	2.0meg
1K	75K	2.5meg
2.5K	100K	
5K	250K	

TAPER & TOLERANCE
S: Linear, ±20%
Z: CW Log, ±20%
R: CCW Log, ±20%

TERMINAL CONFIGURATION
SERIES 574
P: PC, 0.250"L, B-110 .100 Grid
C: PC, 0.156"L, C-30 .100 Grid
B: P w/B Mtg. Bracket
D: C w/C Mtg. Bracket
SERIES 575-576
P: PC, 0.250"L, B-110 .100 Grid
R: PC, 0.250"L, B-110 .200 Grid
C: PC, 0.156"L, C-30 .100 Grid
F: PC, 0.156"L, C-30 .200 Grid
B: P w/B Mtg. Bracket
G: R w/B Mtg. Bracket
D: C w/C Mtg. Bracket
H: F w/C Mtg. Bracket
S: Solder Hook-200 Grid
Hardware not included.

To order or for custom applications, call 800-874-1874

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